CLAIMS

What is claimed is:

A vehicle seat recliner and folding latch assembly, comprising:
a lower quadrant disc;

a slide-pin subassembly supported on said lower quadrant disc for pivotal displacement between a first position and a second position, said slide-pin subassembly operable to be locked in said first and second positions; and

a recliner disc supported by said slide-pin subassembly for pivotal displacement relative thereto, wherein said recliner disc includes an engagement edge engaging said slide-pin subassembly and adapted to lock said slide-pin subassembly in said first and second positions.

- 2. The assembly of claim 1 wherein said slide-pin subassembly includes a housing plate supporting a lock-pin in an elongated slot, said lock pin displaceable within said slot between a locked position and an unlocked position.
- 3. The assembly of claim 2 wherein said lower quadrant disc includes a first thrust shoulder adapted to unlock said slide-pin subassembly from said first position and a second thrust shoulder adapted to unlock said slide-pin subassembly from said second position.

- 4. The assembly of claim 3 wherein said lower quadrant disc includes a cammed surface disposed between said first and second thrust shoulders for engaging said lock pin when said lock pin is in said unlocked position.
- 5. The assembly of claim 2 wherein said engagement edge of said recliner disc includes a first locking shoulder adapted to lock said slide-pin subassembly in said first position and a second locking shoulder adapted to lock said slide-pin subassembly in said second position.
- 6. The assembly of claim 5 wherein said engagement edge includes a void edge for receiving a portion of said slide-pin subassembly when said lock pin is in said unlocked position.
- 7. The assembly of claim 2 wherein said lock-pin is in constant engagement with said lower quadrant disc.
- 8. The assembly of claim 2 wherein said lock-pin has a generally octagonal cross-section.
- 9. The assembly of claim 1 wherein said slide-pin subassembly includes a roller bearing engaging said engagement edge of said recliner disc.

10. The assembly of claim 1 wherein said lower quadrant disc further includes an arcuate cavity receiving a stop pin attached to said slide-pin subassembly, said stop pin adapted to engage a first end of said cavity when said slide-pin subassembly is in said first position and a second end of said cavity when said slide-pin subassembly is in said second position.

- 11. A vehicle seat assembly, comprising;
- a seat bottom;
- a seat back; and
- a vehicle seat recliner and floor latch subassembly, including:
 - a lower quadrant disc;
- a slide-pin subassembly supported on said lower quadrant disc for pivotal displacement between a first position and a second position, said slide-pin subassembly operable to be locked in said first and second positions; and
- a recliner disc attached to said seat back and supported by said slide-pin subassembly for pivotal displacement relative thereto, wherein said recliner disc includes an engagement edge engaging said slide-pin subassembly and adapted to lock said slide-pin subassembly in said first and second positions.
- 12. The assembly of claim 11 wherein said slide-pin subassembly includes a housing plate supporting a lock-pin in an elongated slot, said lock pin displaceable within said slot between a locked position and an unlocked position.
- 13. The assembly of claim 12 wherein said lower quadrant disc includes a first thrust shoulder adapted to unlock said slide-pin subassembly from said first position and a second thrust shoulder adapted to unlock said slide-pin subassembly from said second position.

- 14. The assembly of claim 13 wherein said lower quadrant disc includes a cammed surface disposed between said first and second thrust shoulders for engaging said lock pin when said lock pin is in said unlocked position.
- 15. The assembly of claim 12 wherein said engagement edge of said recliner disc includes a first locking shoulder adapted to lock said slide-pin subassembly in said first position and a second locking shoulder adapted to lock said slide-pin subassembly in said second position.
- 16. The assembly of claim 15 wherein said engagement edge includes a void edge for receiving a portion of said slide-pin subassembly when said lock pin is in said unlocked position.
- 17. The assembly of claim 12 wherein said lock-pin is in constant engagement with said lower quadrant disc.
- 18. The assembly of claim 12 wherein said lock-pin has a generally octagonal cross-section.
- 19. The assembly of claim 12 wherein said slide-pin subassembly includes a roller bearing engaging said engagement edge of said recliner disc.

- 20. The assembly of claim 11 wherein said lower quadrant disc further includes an arcuate cavity receiving a stop pin attached to said slide-pin subassembly, said stop pin adapted to engage a first end of said cavity when said slide-pin subassembly is in said first position and a second end of said cavity when said slide-pin subassembly is in said second position.
- 21. The assembly of claim 11 further comprising a seat pivot supporting a front side of said seat bottom for approximately 180° pivotal displacement.
- 22. The assembly of claim 11 wherein said seat bottom includes a bottom surface and a top surface, said top surface adapted to be exposed in a seating position and said bottom surface adapted to be exposed in a load floor position.